



IFWO

## RAW SEQUENCE LISTING

DATE: 10/12/2004

PATENT APPLICATION: US/10/701,007

TIME: 15:02:16

Input Set : A:\ISIS5325.ST25.txt

Output Set: N:\CRF4\10122004\J701007.raw

FOR

3 <110> APPLICANT: Allerson, Charles  
 4 Bhat, Balkrishen  
 5 Eldrup, Anne B.  
 6 Manoharan, Muthiah  
 7 Griffey, Richard H.  
 8 Baker, Brenda F.  
 9 Swayze, Eric E.

11 <120> TITLE OF INVENTION: COMPOSITIONS COMPRISING ALTERNATING 2'-MODIFIED NUCLEOSIDES

12 USE IN GENE MODULATION

14 <130> FILE REFERENCE: ISIS-5325

16 <140> CURRENT APPLICATION NUMBER: US 10/701,007

17 <141> CURRENT FILING DATE: 2003-11-04

19 <150> PRIOR APPLICATION NUMBER: US 60/423,760

20 <151> PRIOR FILING DATE: 2002-11-05

22 <160> NUMBER OF SEQ ID NOS: 55

24 <170> SOFTWARE: PatentIn version 3.3

26 <210> SEQ ID NO: 1

27 <211> LENGTH: 19

28 <212> TYPE: RNA

29 <213> ORGANISM: Artificial Sequence

31 <220> FEATURE:

32 <223> OTHER INFORMATION: Synthetic Construct

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39 <211> LENGTH: 21

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53 <213> ORGANISM: Artificial Sequence

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56 <223> OTHER INFORMATION: Synthetic Construct

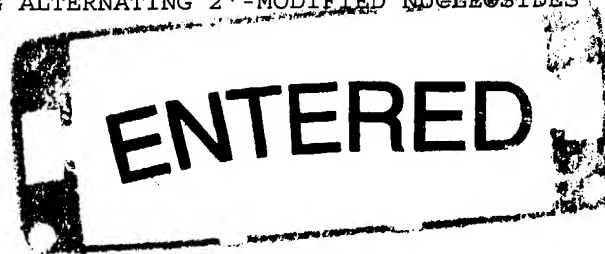
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59 cgggtcccgtc cgcctctcgt t 21

62 <210> SEQ ID NO: 4

63 <211> LENGTH: 19

64 <212> TYPE: DNA



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68 <223> OTHER INFORMATION: Synthetic Construct
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85 <222> LOCATION: (1)..(3)
86 <223> OTHER INFORMATION: 2'-O-methoxyethyl
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (13)..(20)
91 <223> OTHER INFORMATION: 2'-O-methoxyethyl
93 <400> SEQUENCE: 5
94 tccgtcatcg ctccctcaggg 20
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98 <211> LENGTH: 20
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132 <223> OTHER INFORMATION: 2'-O-methoxyethyl
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140 atgcattctg cccccaagga  
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155 <223> OTHER INFORMATION: 2'-O-methyl  
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198 <221> NAME/KEY: misc\_feature  
199 <222> LOCATION: (17)..(17)

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Input Set : A:\ISIS5325.ST25.txt

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216 <220> FEATURE:  
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220 <220> FEATURE:  
221 <221> NAME/KEY: misc\_feature  
222 <222> LOCATION: (1)..(20)  
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262 <222> LOCATION: (16)..(16)  
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Input Set : A:\ISIS5325.ST25.txt

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265 <220> FEATURE:  
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268 <223> OTHER INFORMATION: 2'-O-methyl  
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272 <222> LOCATION: (20)..(20)  
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276 uuugucucug guccuuacuu 20  
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280 <211> LENGTH: 20  
281 <212> TYPE: RNA  
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288 <220> FEATURE:  
289 <221> NAME/KEY: misc\_feature  
290 <222> LOCATION: (1)..(1)  
291 <223> OTHER INFORMATION: 2'-O-methyl  
293 <220> FEATURE:  
294 <221> NAME/KEY: misc\_feature  
295 <222> LOCATION: (1)..(20)  
296 <223> OTHER INFORMATION: phosphodiester linkages  
298 <220> FEATURE:  
299 <221> NAME/KEY: misc\_feature  
300 <222> LOCATION: (3)..(3)  
301 <223> OTHER INFORMATION: 2'-O-methyl  
303 <220> FEATURE:  
304 <221> NAME/KEY: misc\_feature  
305 <222> LOCATION: (5)..(5)  
306 <223> OTHER INFORMATION: 2'-O-methyl  
308 <220> FEATURE:  
309 <221> NAME/KEY: misc\_feature  
310 <222> LOCATION: (7)..(7)  
311 <223> OTHER INFORMATION: 2'-O-methyl  
313 <220> FEATURE:  
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316 <223> OTHER INFORMATION: 2'-O-methyl  
318 <220> FEATURE:  
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325 <222> LOCATION: (13)..(13)  
326 <223> OTHER INFORMATION: 2'-O-methyl  
328 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:53; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20

**VERIFICATION SUMMARY**

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Input Set : A:\ISIS5325.ST25.txt

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L:4640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0